

Lower Payette River Subbasin Assessment and Total Maximum Daily Load

December 1999

Prepared For State of Idaho

by
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Appendix B. Water Quality Information 1997- 199Lower Payette River

Explanation of Box-Whisker Graphs

○ _____ major outlier, > 3 times interquartile range* from median

_____ _____ outer fence (not shown) 3 quartile range from median**

----- _____ inner fence (not shown), distance 1.5 times interquartile range from median

_____ whisker, data point which is furthest from median, but less than inner fence



_____ 3rd quartile, data that is $> 75\%$ of the data

_____ median, data that is $> 50\%$ of the data values

_____ 1st quartile, data that is $> 25\%$ of the data values

_____ whisker, data point which is furthest from median, but less than inner fence

----- _____ inner fence (not shown), distance 1.5 times quartile range from median

● _____ > 1.5 times the interquartile past median, but < 3 times quartiles range

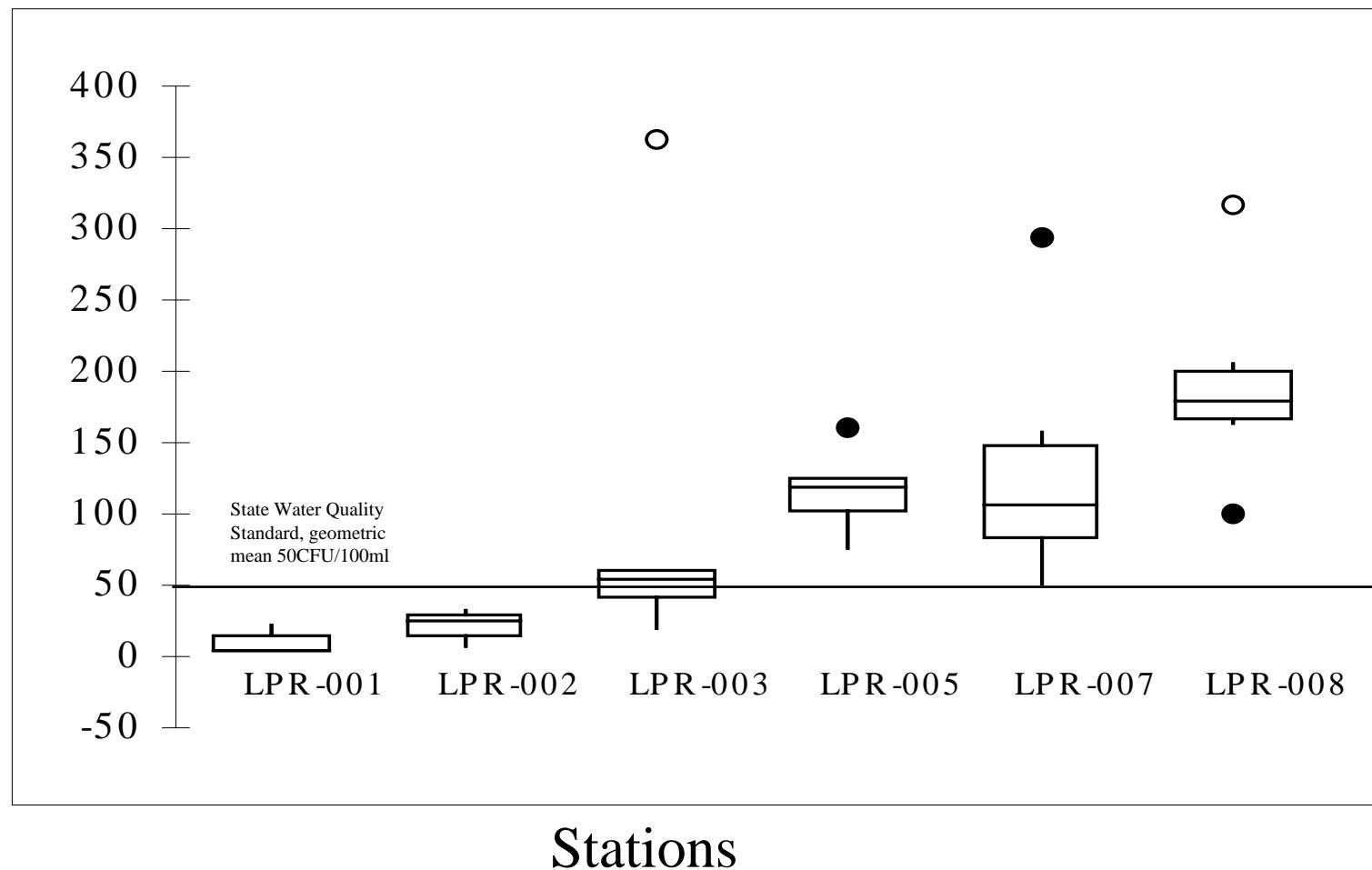
_____ outer fence (not shown) 3 quartile from median

* quartile range: the distance between 1st and 3rd quartile

**inner and outer fences are not indicated on graphs

Fecal Coliform Bacteria Results, WY 1997 and 1998
Geometric Mean Station all stations, Lower Payette River
June, July & August 1997 and 1998

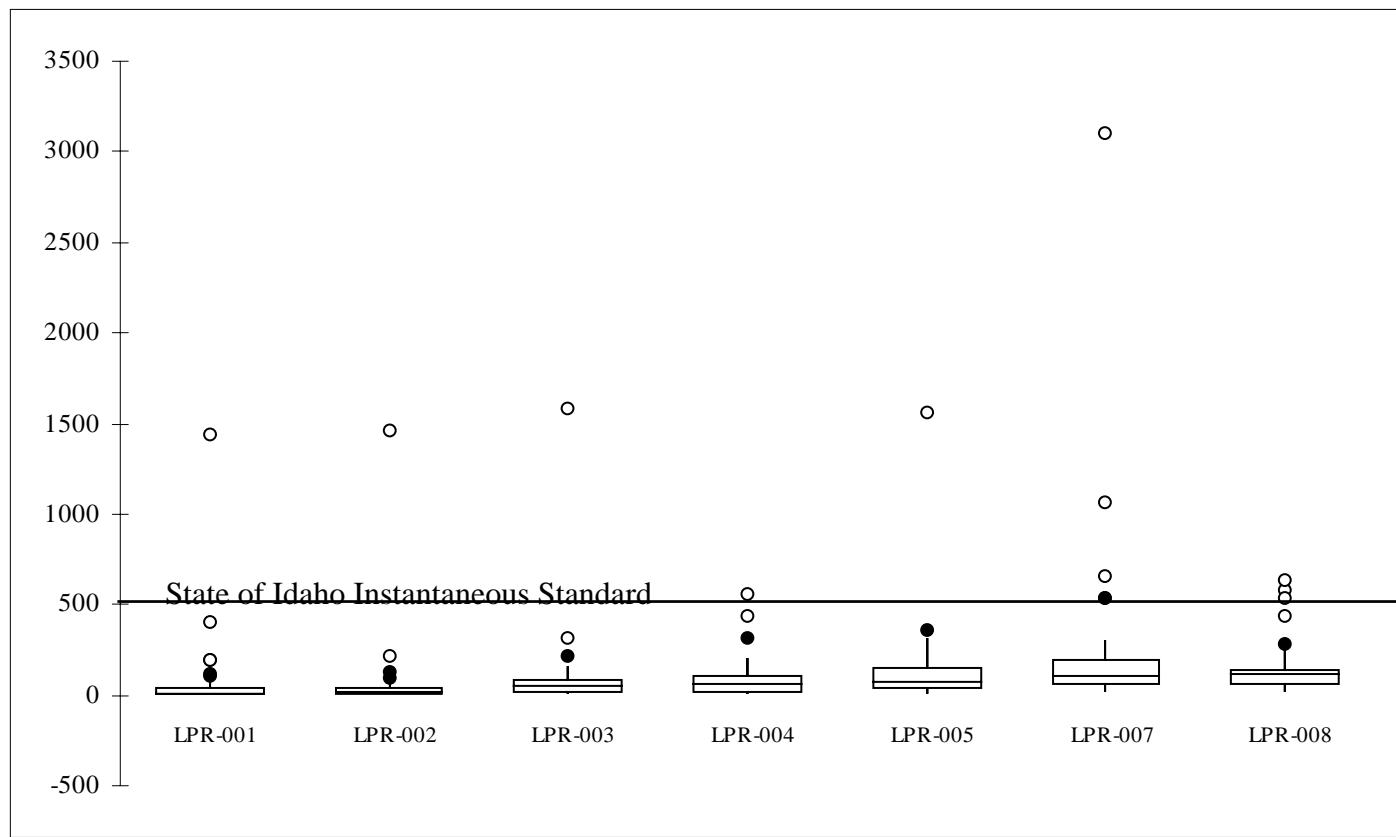
CFU/100ml



Fecal Coliform Results, WY 1997-98

Lower Payette River

CFU/100 ml

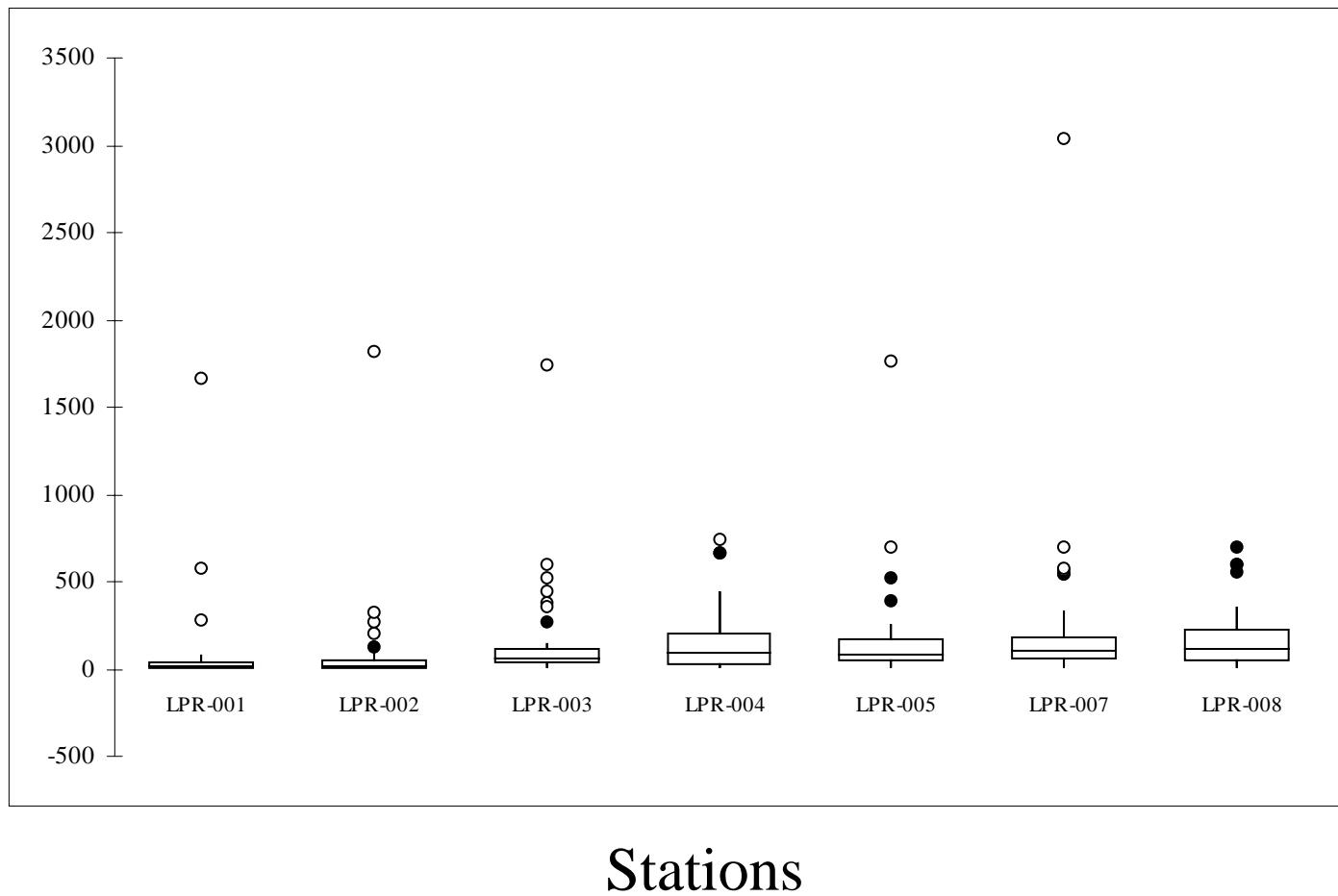


Stations

Fecal Streptococcus Results, WY 1997-98

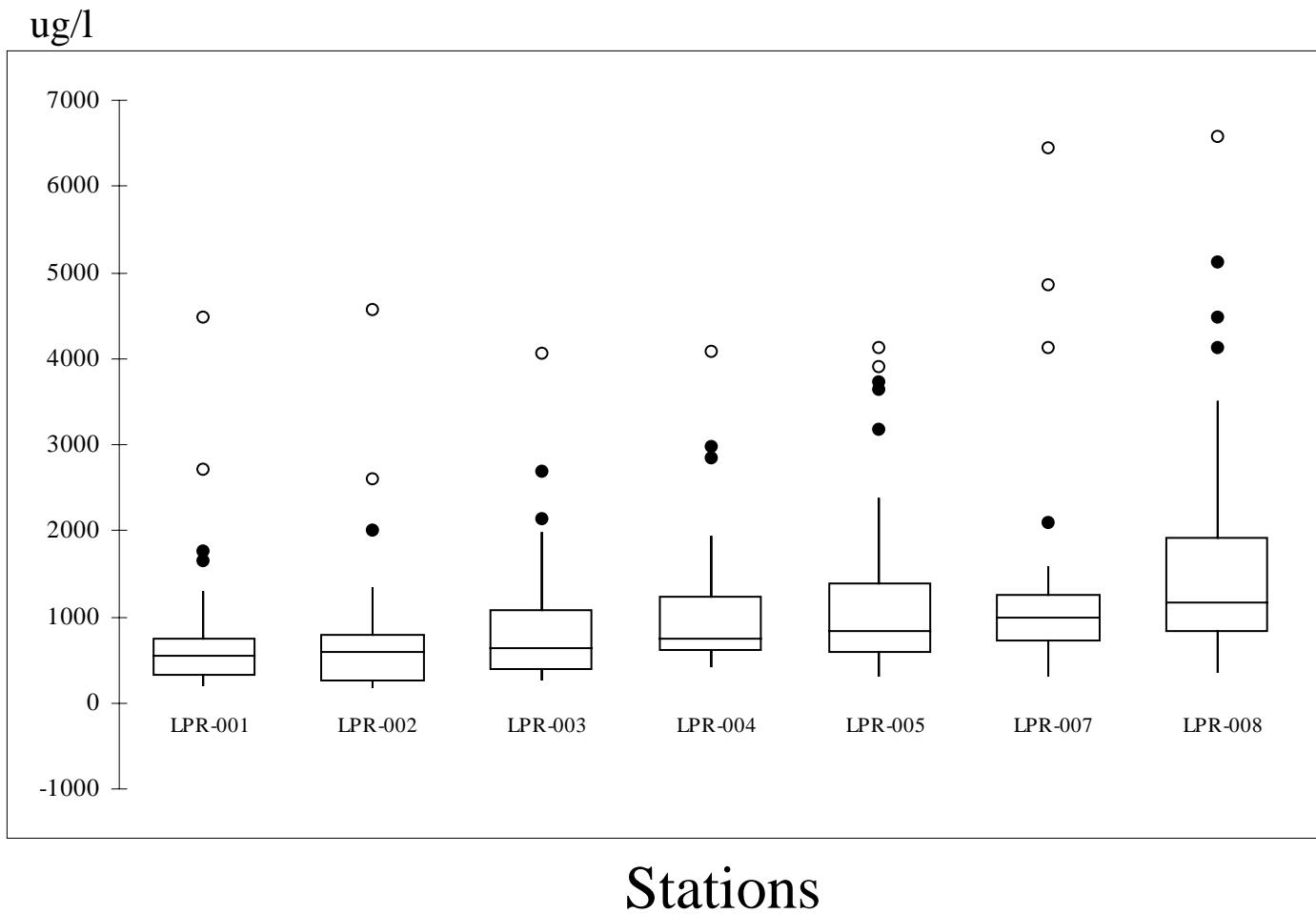
Lower Payette River

CFU/100 ml



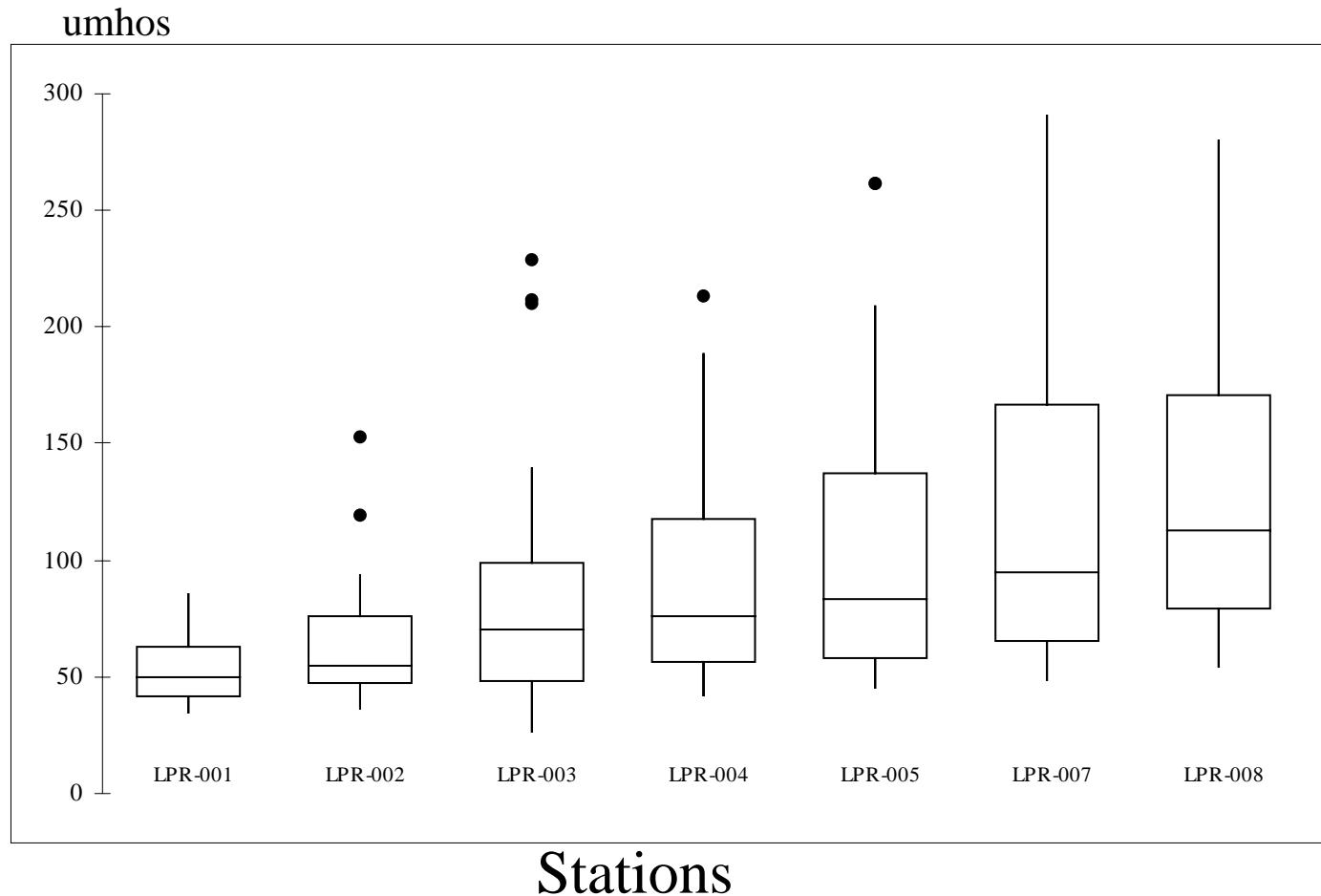
Total Iron Results, WY 1997-98

Lower Payette River



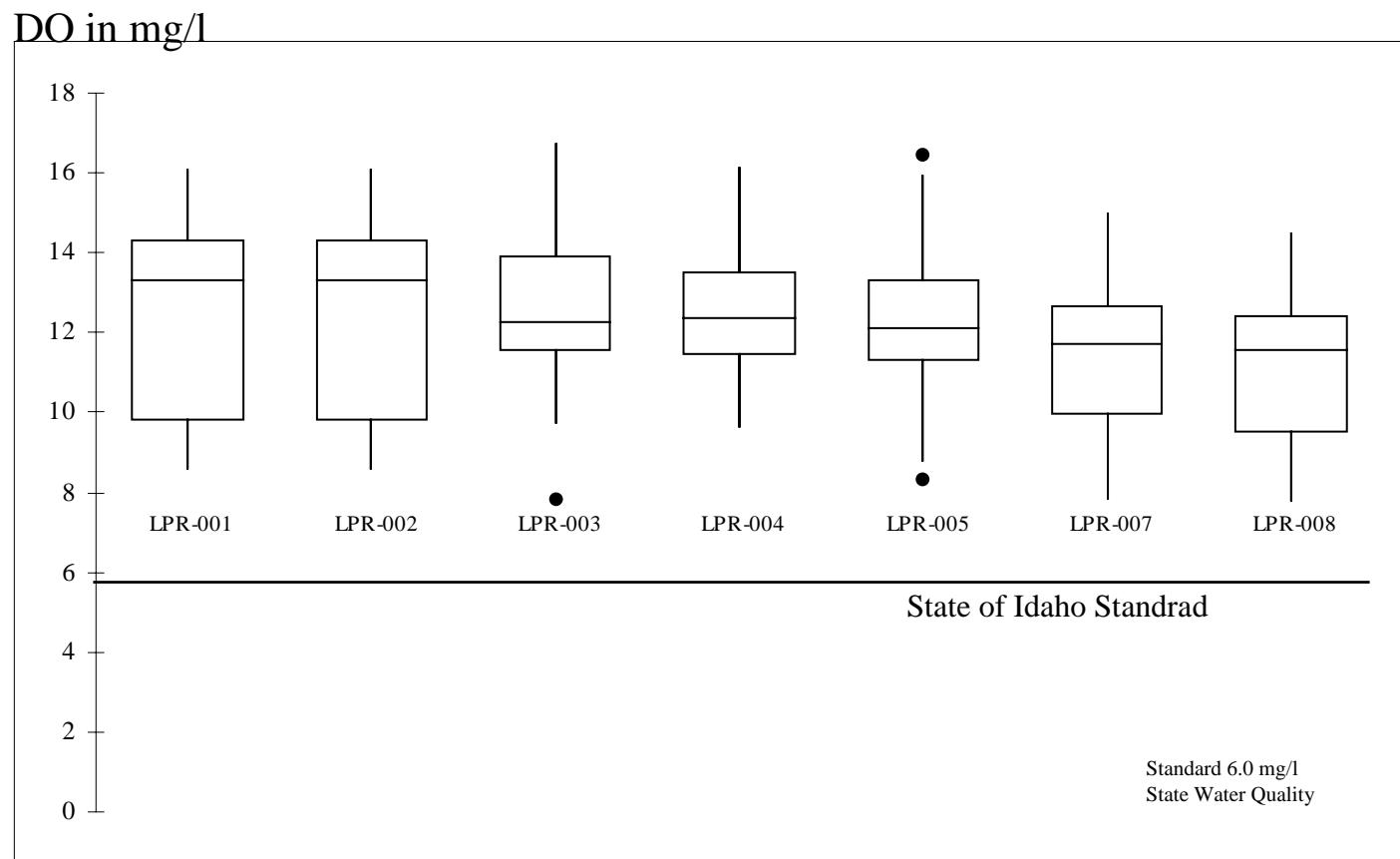
Instantaneous Conductivity Results, WY 1997-98

Lower Payette River



Instantaneous Dissolved Oxygen Results, WY 1997-98

Lower Payette River

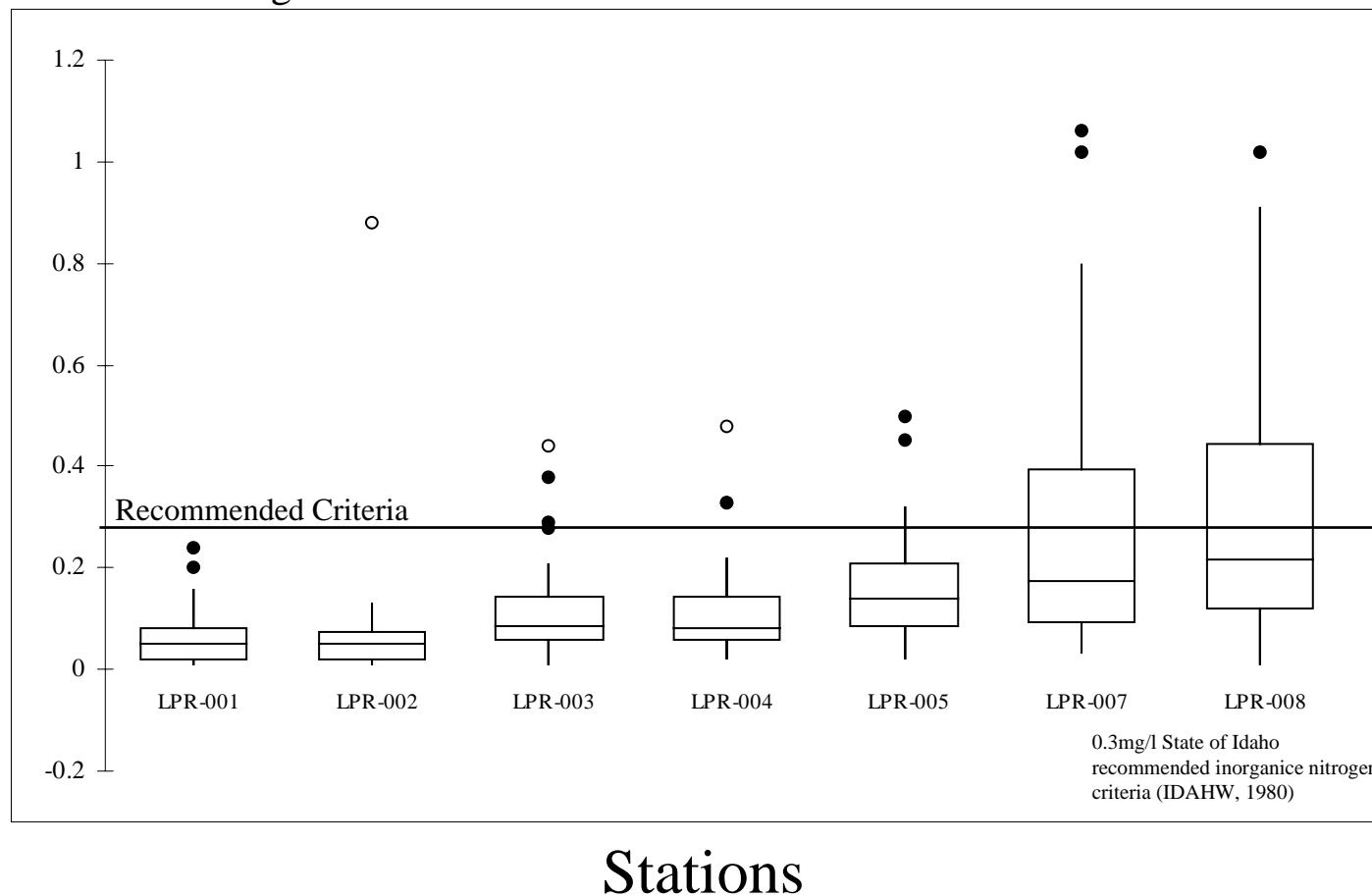


Stations

Nitrite+Nitrates as N Results, WY 1997-98

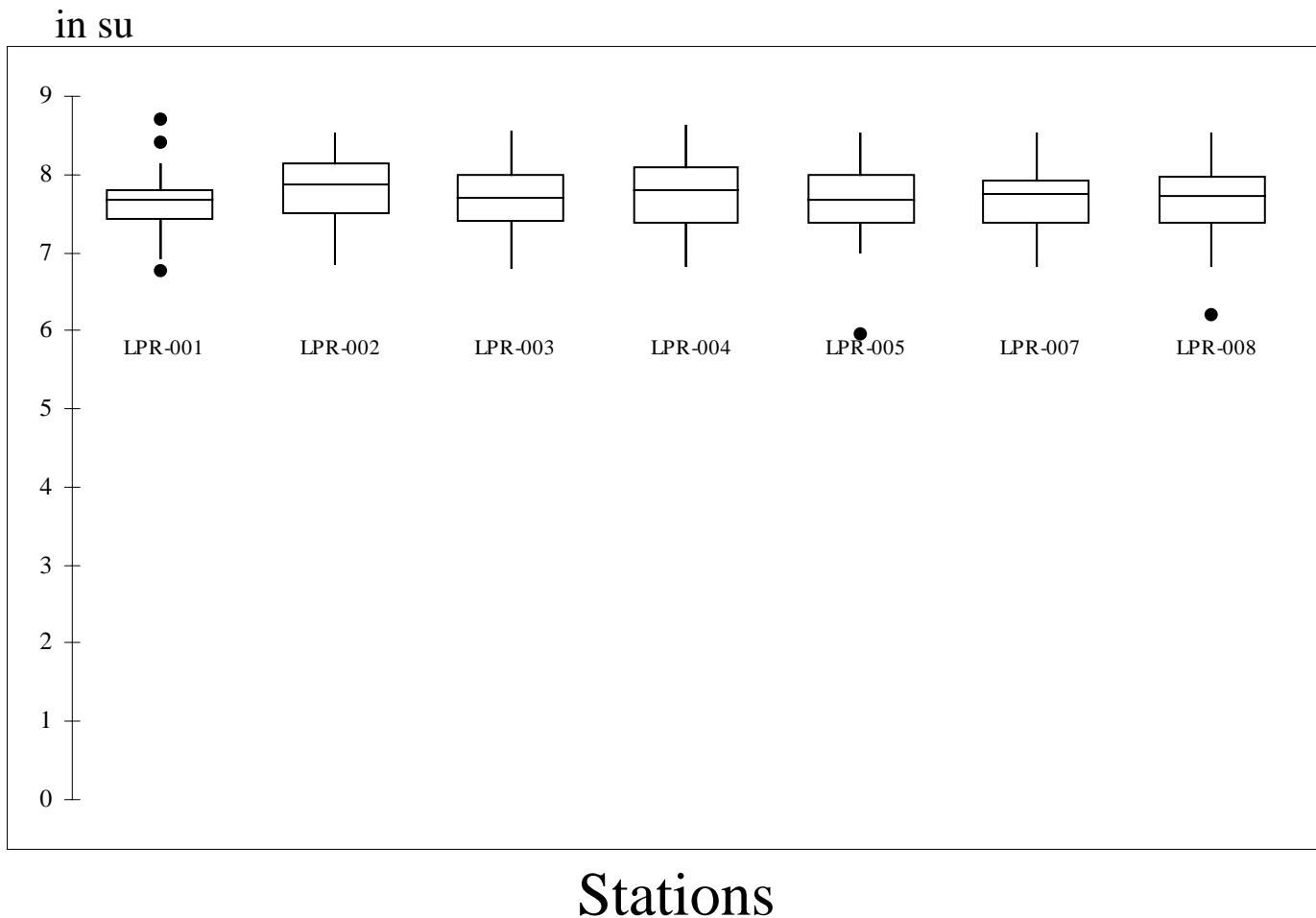
Lower Payette River

NO₂ + NO₃ mg/l



Instantaneous pH Results, WY1997-98

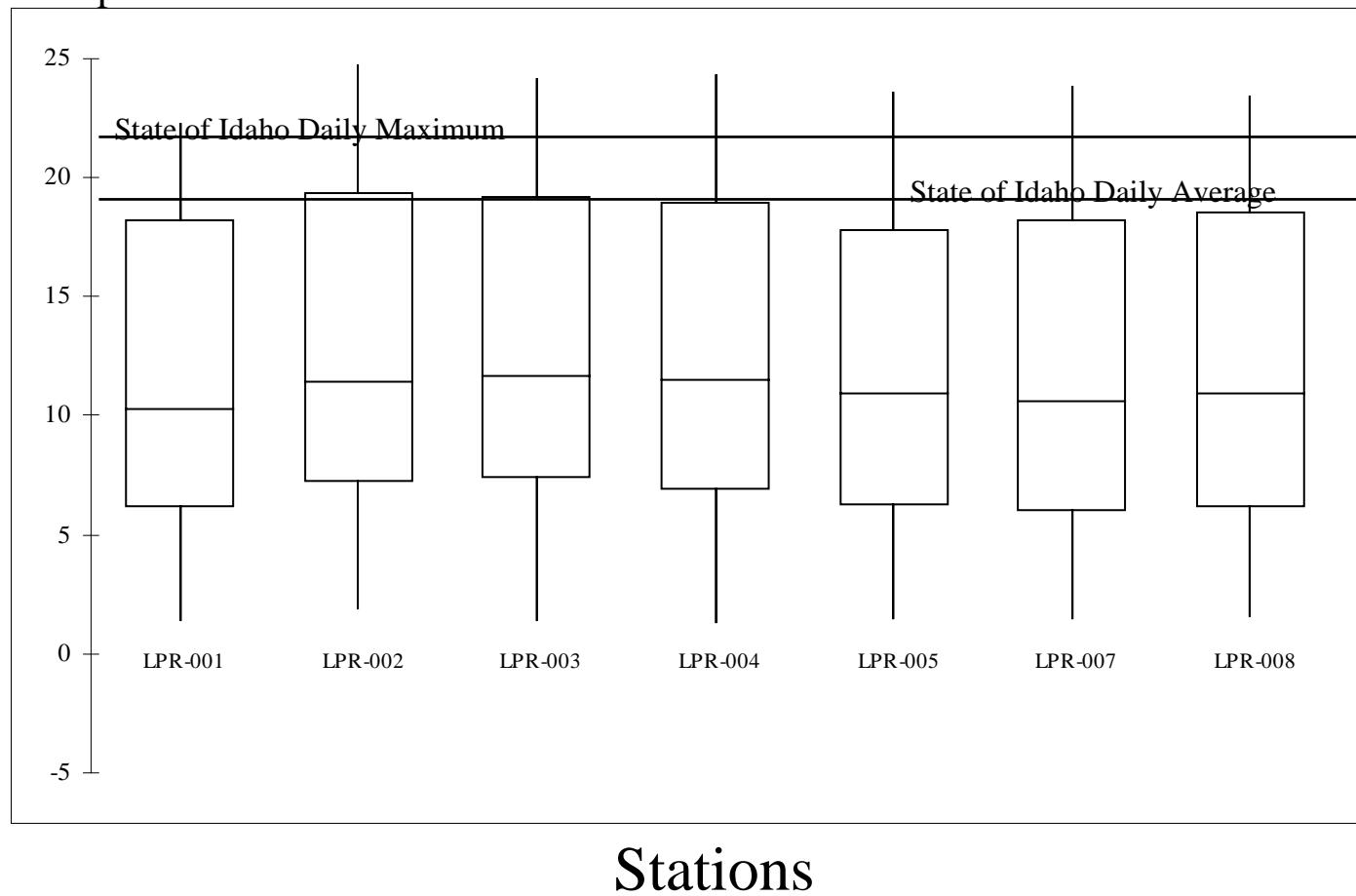
Lower Payette River



Instantaneous Temperature Results, WY 1997-98

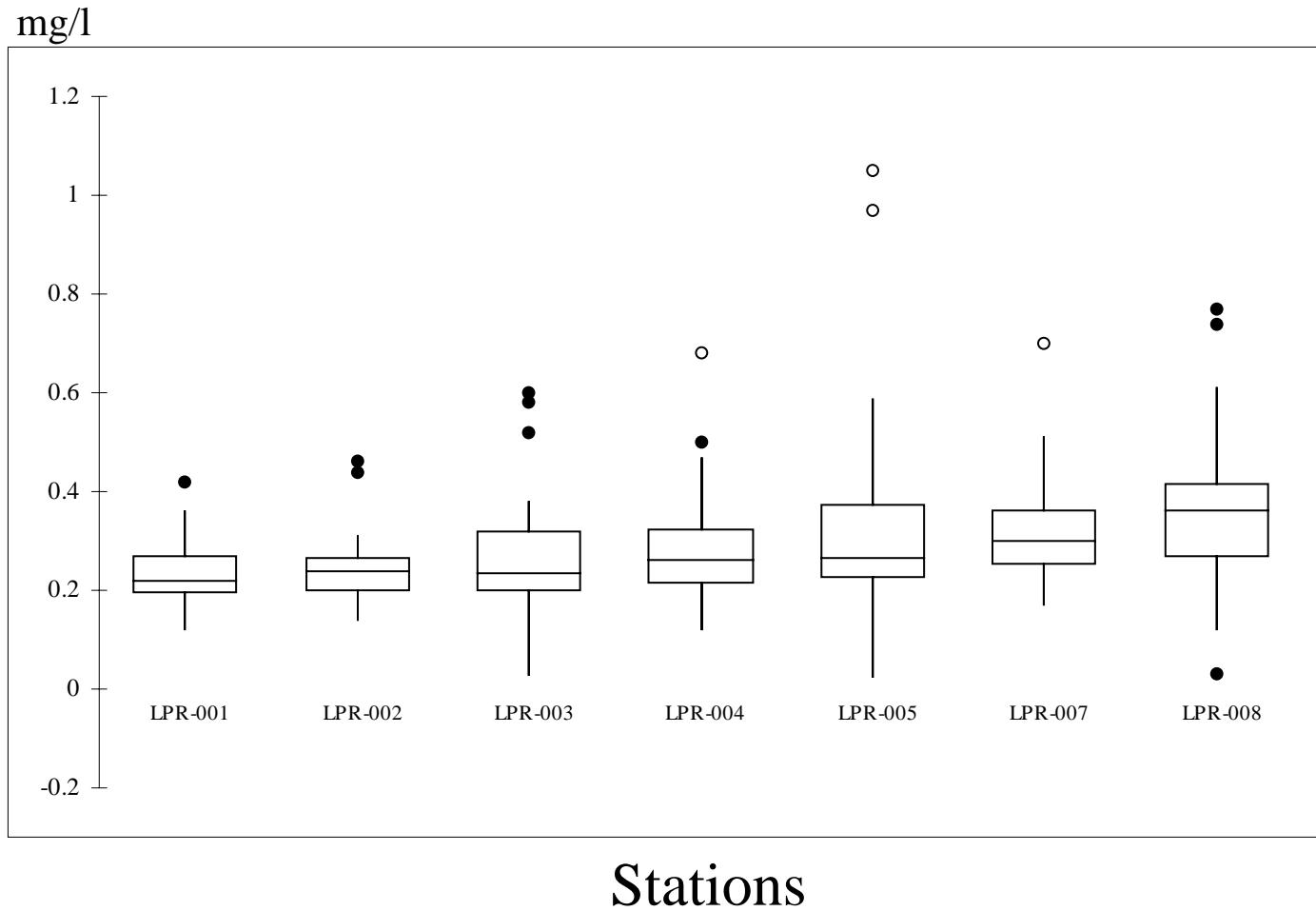
Lower Payette River

Temp. in C



Total Kjeldahl Nitrogen Results, WY 1997-98

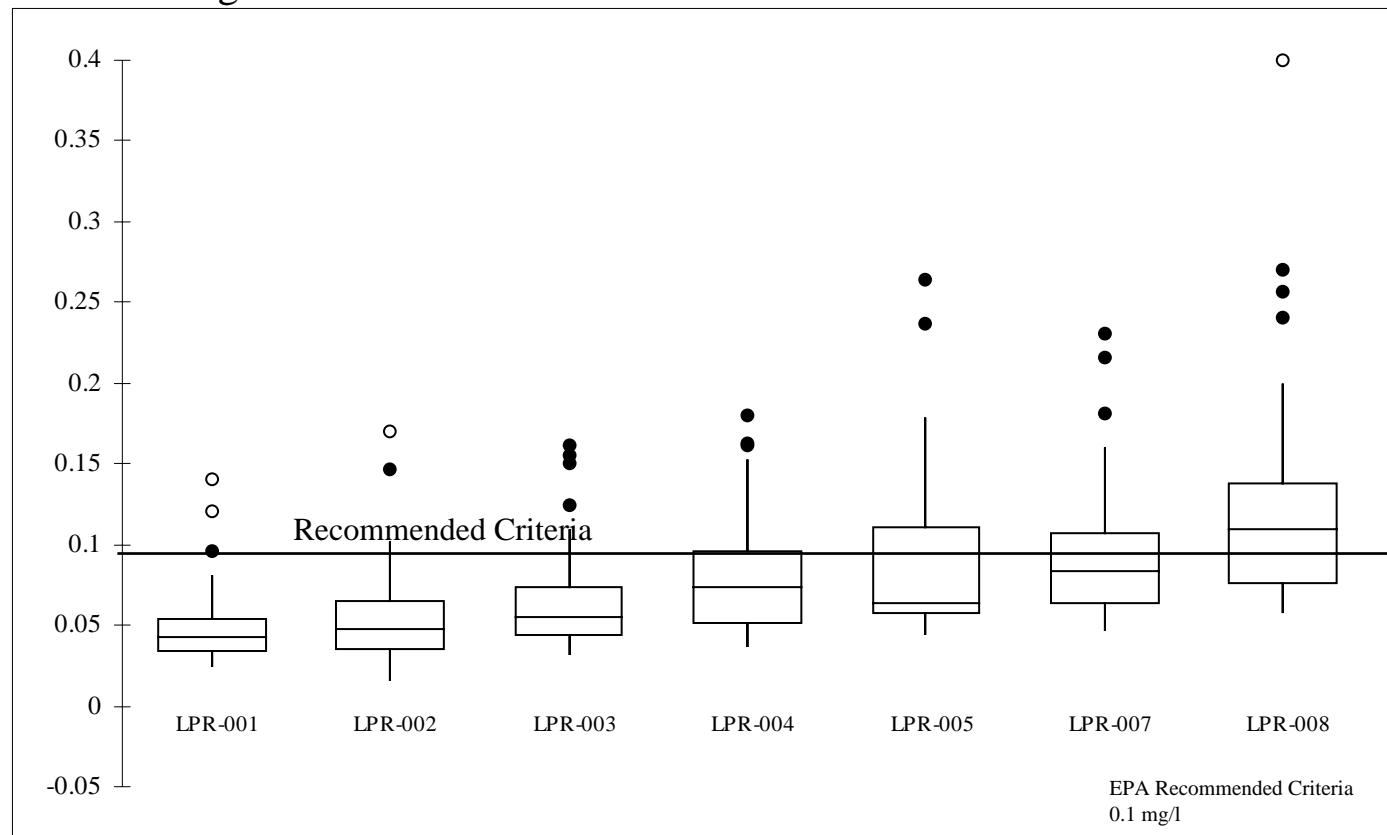
Lower Payette River



Total Phosphorus Results, WY 1997-98

Lower Payette River

Total P in mg/l

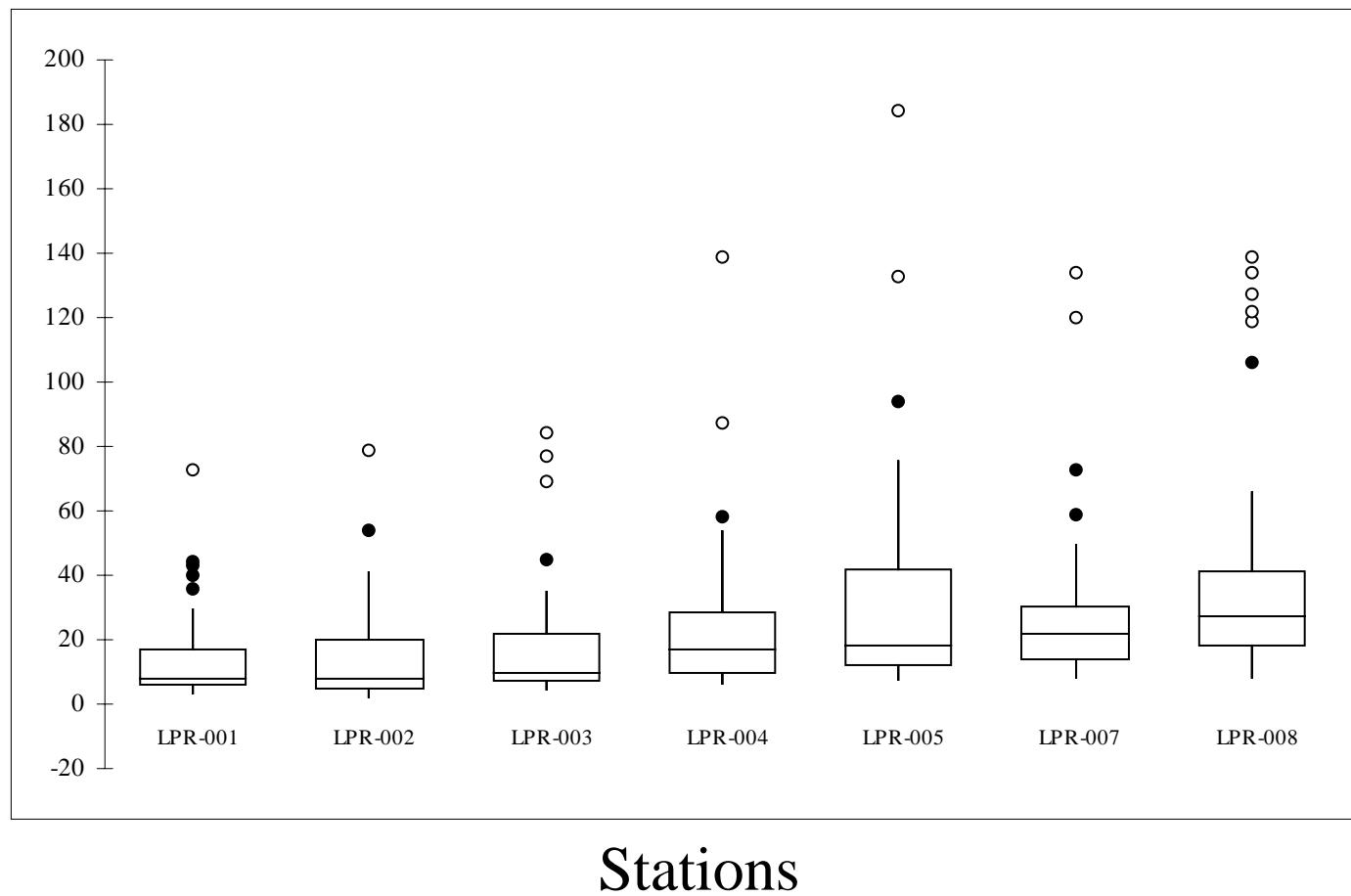


Stations

Total Suspended Solids Results, WY 1997-98

Lower Payette River

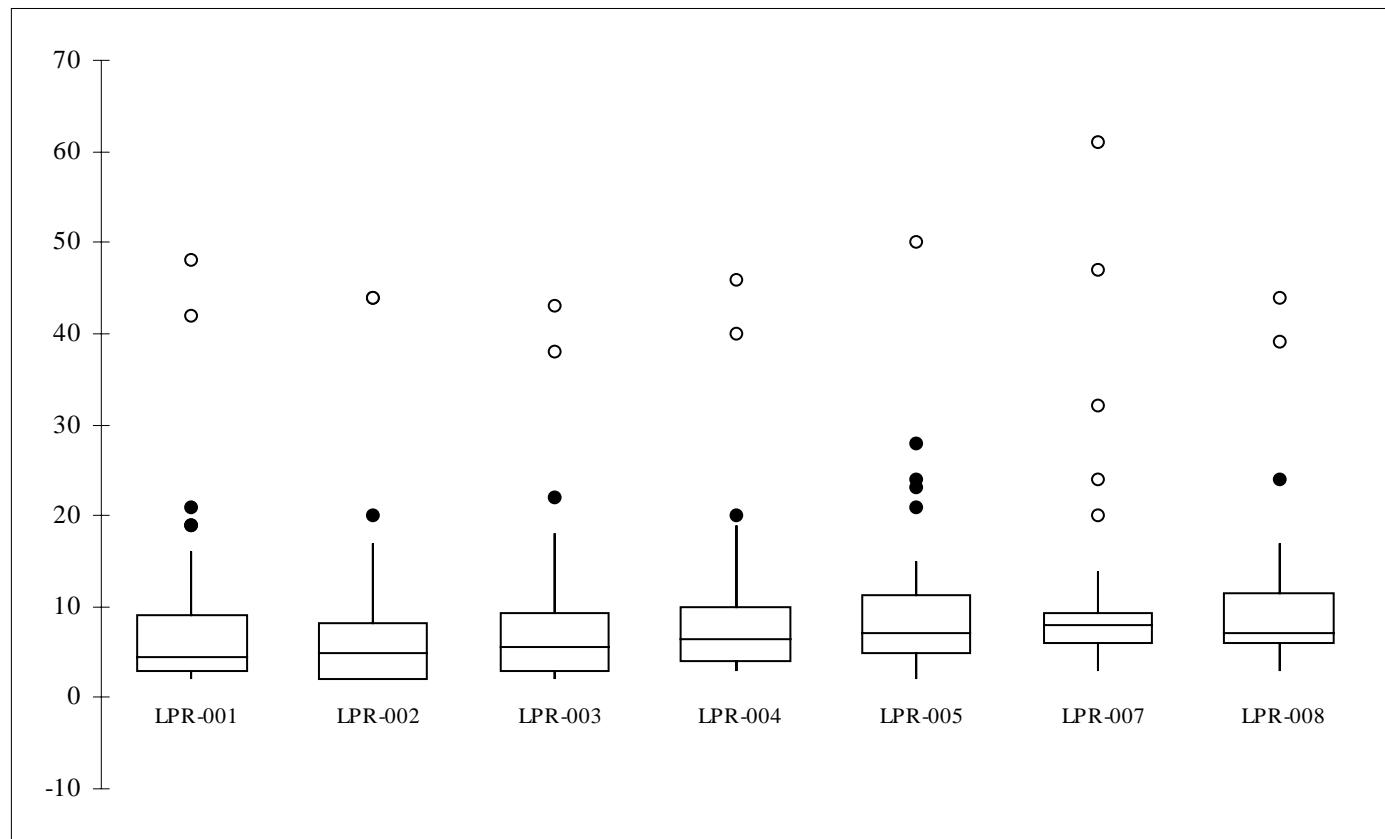
mg/l



Turbidity Results, WY 1997-98

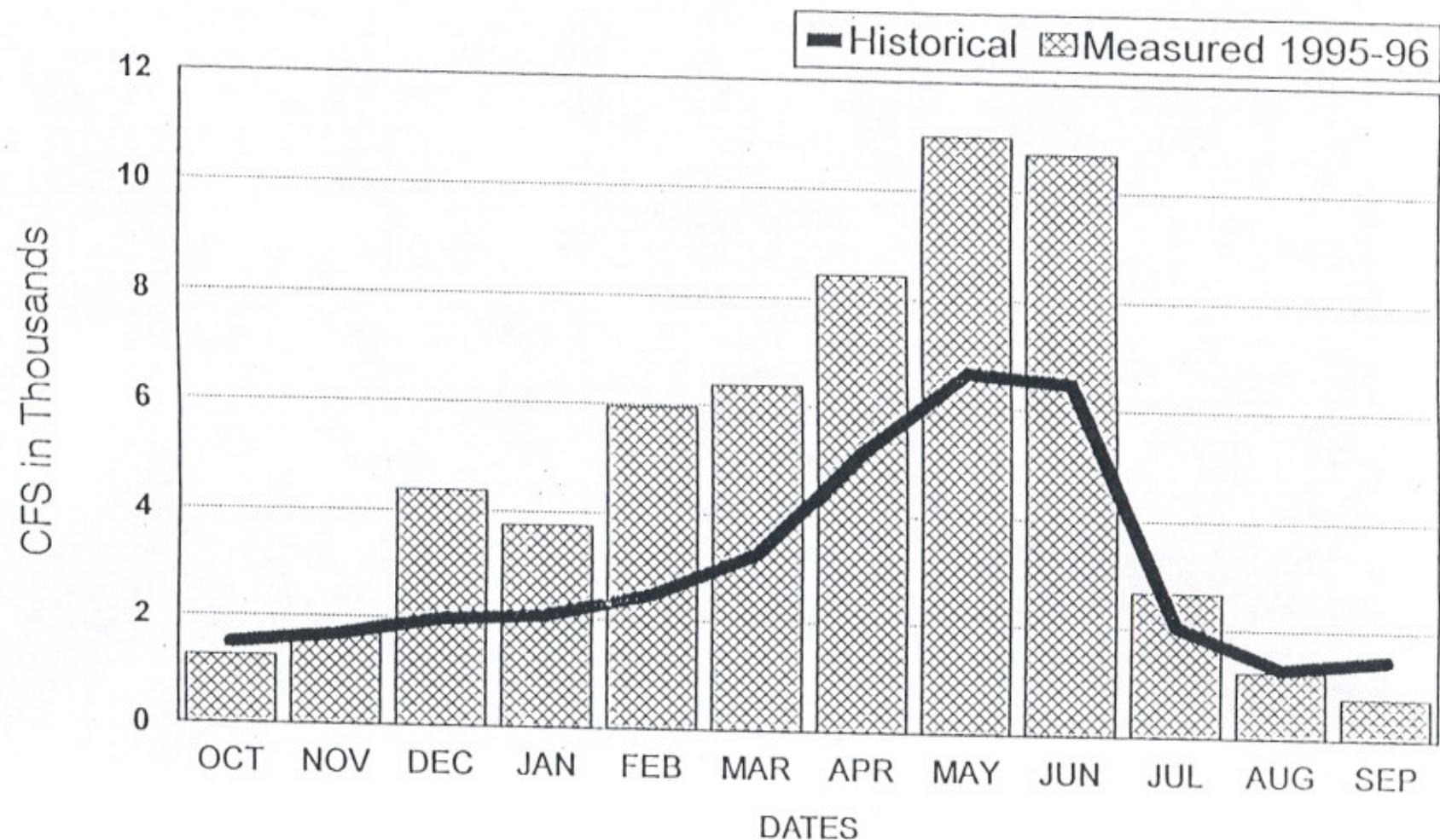
Lower Payette River

J T Us

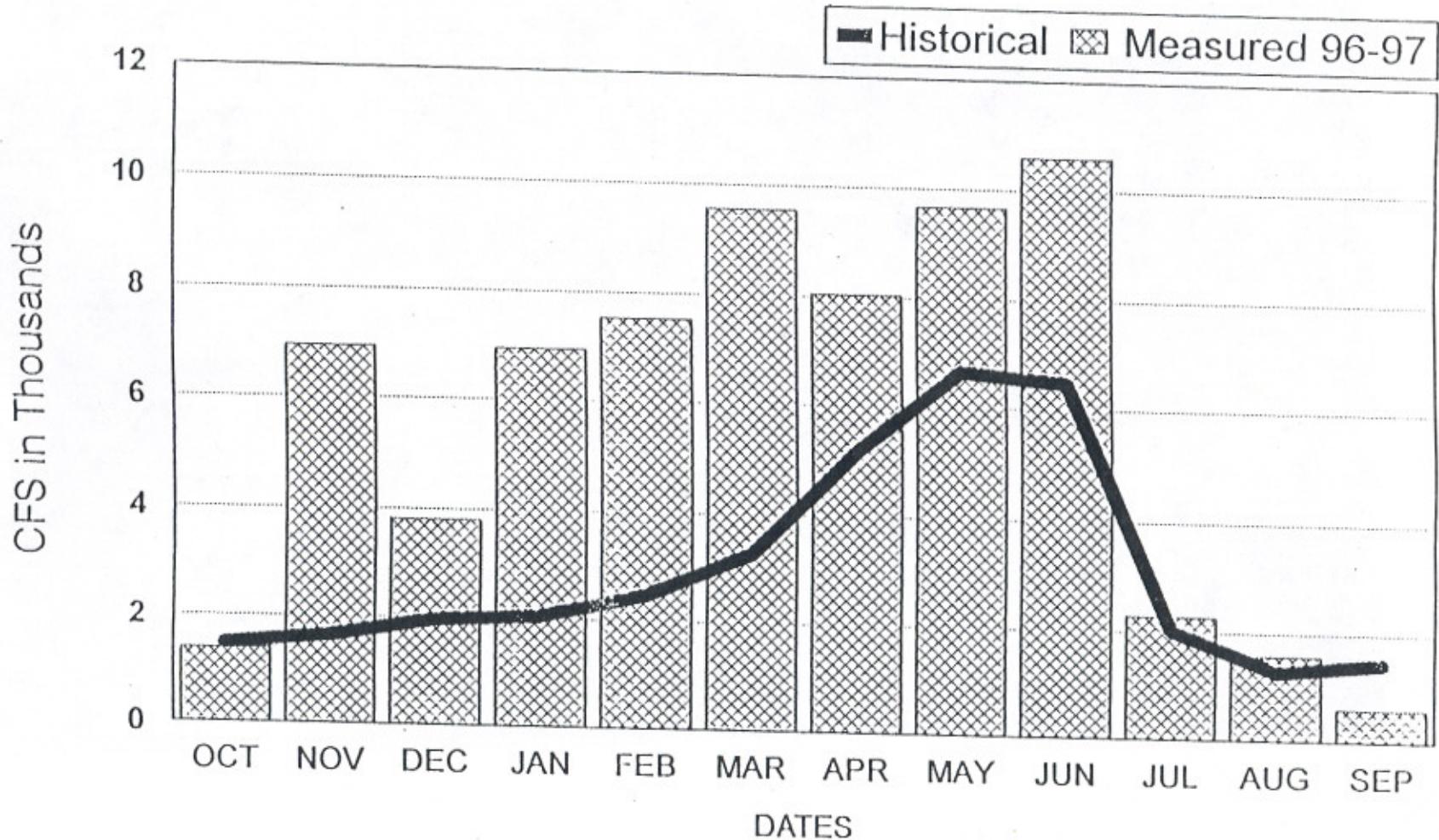


Stations

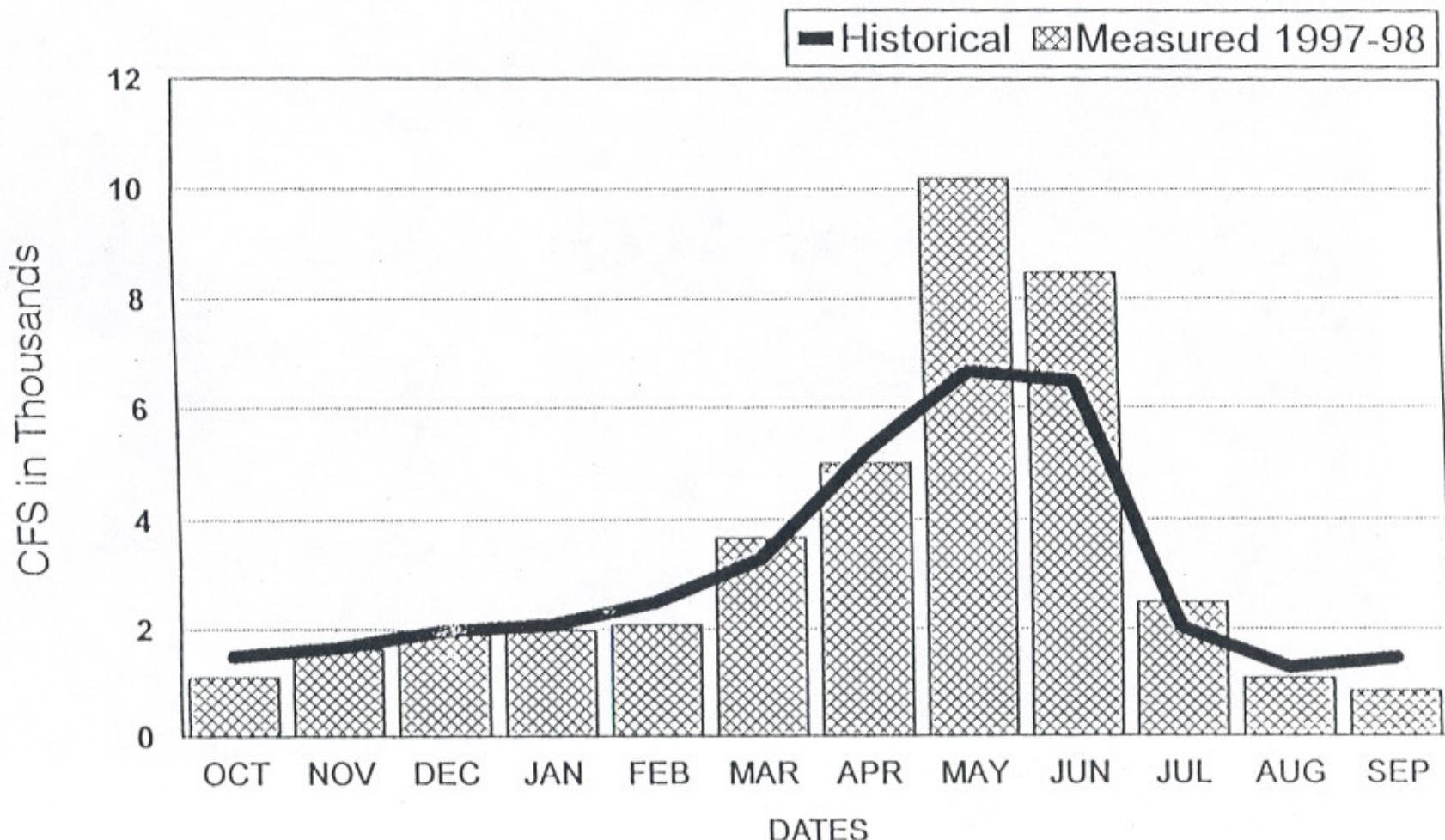
Historical Flow Data, 1935-1996, & Flow Data 1995-96
Lower Payette River @ Highway 95, Near Payette, Idaho



Historical Flow Data, 1935-1996, & Flow Data 1996-97
Lower Payette River @ Highway 95, Near Payette, Idaho

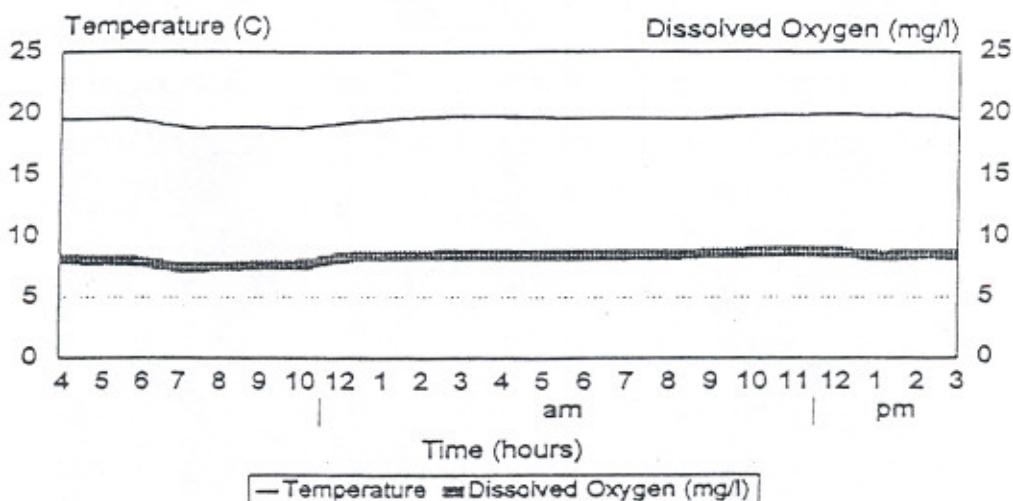


Historical Flow Data, 1935-1996, & Flow Data 1997-98*
Lower Payette River @ Highway 95, Near Payette, Idaho



24 Hour Dissolved Oxygen/Temperature Res

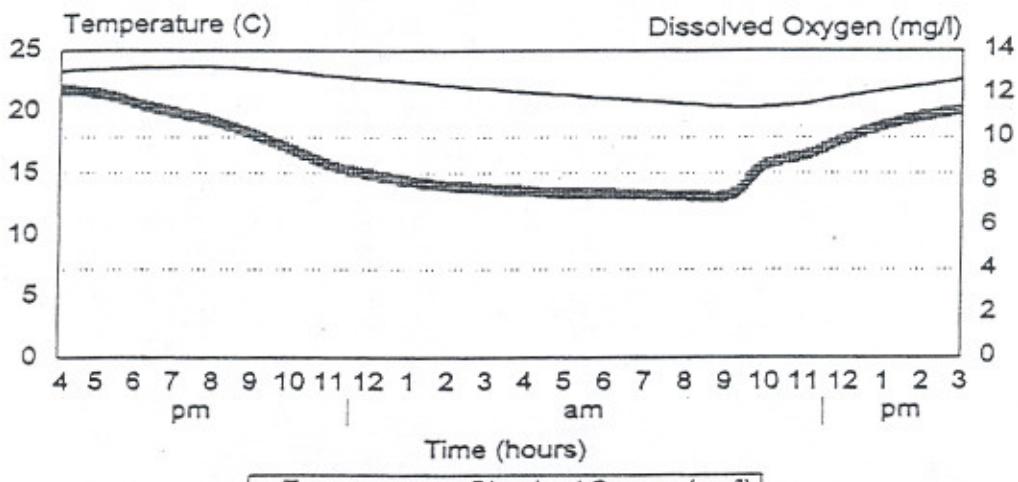
Lower Payette River below Black Canyon Dam



August 18-19, 1997

24 Hour Dissolved Oxygen/Temperature Result

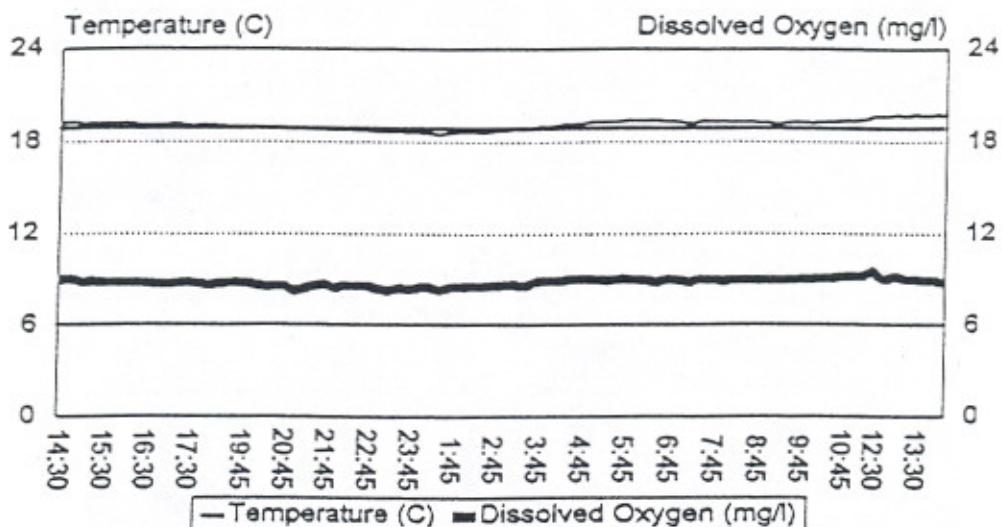
Lower Payette River at Payette Waste Water Treatment F



August 19-20, 1997

24 Hour Dissolved Oxygen/Temperature Results

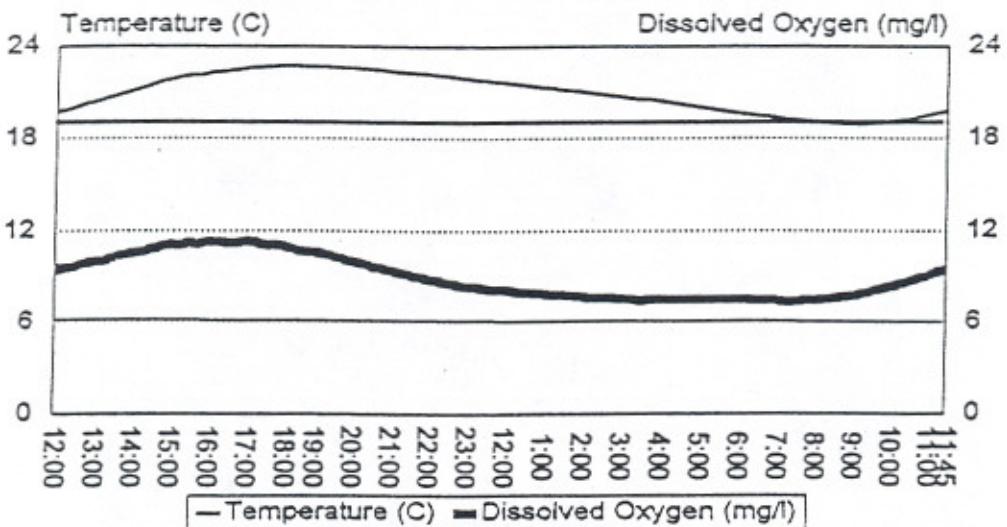
Lower Payette River Below Black Canyon Dam



September 3-4, 1998

24 Hour Dissolved Oxygen/Temperature Results

Lower Payette River at Payette WWTP



August 31, 1998- September 1, 1998